

**WHAT IS CLAIMED IS:**

1. Carrier comprised of a core, a polymer coating, and wherein said coating contains a conductive polypyrrole contained in a carbon black matrix, or a polyaniline contained in a carbon black matrix.
2. A carrier in accordance with **claim 1** wherein the polymer coating is comprised of a mixture of polymers.
3. A carrier in accordance with **claim 2** wherein the mixture is comprised of two polymers.
4. A carrier in accordance with **claim 2** wherein the mixture is comprised of two polymers not in close proximity in the triboelectric series.
5. A carrier in accordance with **claim 2** wherein the mixture is comprised of from about 2 polymers to about 7 polymers.
6. A carrier in accordance with **claim 1** wherein the conductive polymer is a polypyrrole coated on carbon black.
7. A carrier in accordance with **claim 6** wherein the polymer possesses a weight average molecular weight  $M_w$  of from about 10,000 to about 400,000, or possesses a weight average molecular weight of from about 20,000 to about 100,000.
8. A carrier in accordance with **claim 6** wherein said polymer possesses an  $M_w$  of from about 22,000 to about 75,000, and an  $M_w/M_n$  ratio of from about 1.4 to about 2.

9. A carrier in accordance with **claim 1** wherein said matrix is present in an amount of from about 1 to about 10 weight percent.

10. A carrier in accordance with **claim 1** wherein the ratio of said polypyrrole carbon black to said polymer coating is from about 1/99 to about 5/95.

11. A carrier in accordance with **claim 1** wherein the ratio of said polypyrrole carbon black to said polymer coating is from about 2/98 to about 10/90.

12. A carrier in accordance with **claim 1** wherein the ratio of said polypyrrole carbon black to said polymer coating is about 5/95.

13. A carrier in accordance with **claim 1** wherein said core diameter is from about 30 to about 100 microns.

14. A carrier in accordance with **claim 1** wherein said core is iron, steel or a ferrite.

15. A carrier in accordance with **claim 1** wherein said coating polymer is a styrene polymer.

16. A carrier in accordance with **claim 1** wherein said polymer coating is polyvinylidene fluoride, polyethylene, polymethyl methacrylate, polytrifluoroethylmethacrylate, copolyethylene vinylacetate, copolyvinylidene fluoride, tetrafluoroethylene, polystyrene, polyvinyl chloride, polyvinyl acetate, or mixtures thereof.

17. A carrier in accordance with **claim 1** wherein said polymer coating is polymethylmethacrylate, polystyrene, polytrifluoroethyl methacrylate, or mixtures thereof.

18. A carrier in accordance with **claim 1** wherein said polymer coating is comprised of a mixture of polymethylmethacrylate and polytrifluoroethyl methacrylate.

19. A carrier in accordance with **claim 1** wherein said polymer coating is present in an amount of from about 0.5 to about 10 percent by weight of said carrier, or from about 1 to about 5 percent by weight of said carrier.

20. A carrier in accordance with **claim 2** with a conductivity of from about  $10^{-15}$  to about  $10^{-4}$  (ohm-cm)<sup>-1</sup>.

21. A carrier in accordance with **claim 2** with a triboelectric charge value of from about -60 to about 60 microcoulombs/gram and a conductivity of from about  $10^{-12}$  to about  $10^{-6}$  (ohm-cm)<sup>-1</sup>.

22. A process for the preparation of carrier particles comprised of mixing carrier core, a coating polymer with polypyrrole doped carbon black particles thereby resulting in a polymer contained on the carrier core, and said polypyrrole doped carbon black particles present in the carrier polymer coating.

23. A developer comprised of the carrier of **claim 1** and toner.

24. A developer in accordance with **claim 23** wherein said toner is comprised of a thermoplastic resin, colorant, and optionally toner additives, and optionally wherein said additives are charge additives, wax, surface additives and mixtures thereof.

25. A carrier in accordance with **claim 1** wherein said coating contains therein or thereon a polymer of polyaniline segments attached to Lignin.

26. A carrier in accordance with **claim 1** wherein said coating contains therein or thereon a mixture of a conductive polypyrrole and carbon black; or a mixture of a polyaniline and carbon black matrix.

27. Carrier comprised of a core, a polymer coating, and wherein said coating contains a mixture of a polypyrrole and carbon black particles.

28. Carrier comprised of a core, a polymer coating, and wherein said coating contains a mixture of a polyaniline and carbon black particles.

29. A carrier in accordance with **claim 1** wherein said coating contains a mixture of said polypyrrole and said polyaniline.